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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the

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application:

LISTING OF CLAIMS:

1. (currently amended): A polymetaphenylene isophthalamide-based polymer porous

film with a gas permeability of 0.2-1000 ml/sec, which retains at least 60% of its gas

permeability after heat treatment at 350°C for 10 minutes compared to before treatment, while

also having a porous structure with a porosity of 60-80% and a cross-sectional pore laminar

coefficient of 2.5 or greater, and having a specific Young's modulus of 200-800

(kgf/mm<sup>2</sup>)/(g/cm<sup>3</sup>) in at least one direction.

2. (canceled).

3. (currently amended): A polymetaphenylene isophthalamide-based polymer porous

film with a gas permeability of 0.2-1000 0.4-200 ml/sec, which retains at least 60% of its gas

permeability after heat treatment at 350°C for 10 minutes compared to before treatment, while

also having a porous structure with a porosity of 60-80% and a cross-sectional pore laminar

coefficient of 2.5 or greater, and having a specific Young's modulus of 200-800

(kgf/mm<sup>2</sup>)/(g/cm<sup>3</sup>) in at least one direction.

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4. (currently amended): A porous film according to any one of claims 1 to and 3, which

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has a thickness of 1-10 µm and is self-supporting.

5. (previously presented): A polymetaphenylene isophthalamide-based polymer porous

film containing inorganic whiskers and having a porosity of 10-80% and a specific Young's

modulus of 200-5000 (kgf/mm<sup>2</sup>)/(g/cm<sup>3</sup>) in at least one direction.

6. A polymetaphenylene isophthalamide-based polymer porous film (original):

according to claim 5, wherein the weight ratio of the polymetaphenylene isophthalamide-based

polymer to the whiskers is 50:50 to 99:1.

7. A polymetaphenylene isophthalamide-based polymer porous film (original):

according to claim 5 or 6, wherein the inorganic whiskers have a long axis dimension L of 0.1-

100  $\mu$ m, a short axis dimension D of 0.01-10  $\mu$ m and an L/D ratio of 1.5 or greater.

8. (withdrawn): A process for the production of a polymetaphenylene isophthalamide-

based polymer porous film, comprising casting a dope prepared by dissolving a

polymetaphenylene isophthalamide-based polymer in an amide-based solvent, and coagulating it

in a coagulating bath comprising an amide-based solvent containing a non-solvent for said

polymer.

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9. (withdrawn): A process according to claim 8, wherein the concentration of the amide-

based solvent in the coagulating bath is 30-80 wt% and the temperature is 0-98°C.

10. (withdrawn): A process according to claim 8 or 9, wherein the non-solvent for the

polymetaphenylene isophthalamide-based polymer is water.

11. (withdrawn): A process according to claim 8, wherein the dope prepared by

dissolving a polymetaphenylene isophthalamide-based polymer in an amide-based solvent

contains no inorganic salts.

12. (withdrawn): A process according to claim 8, wherein after coagulation, the porous

film is rinsed with water, dried and then stretched to a factor of 1.3-5 in the uniaxial direction or

to a factor of 1.3-10 in the orthogonal biaxial directions on an area scale, at a temperature of 270-

340°C.

13. (withdrawn): A process according to claim 8 wherein, after coagulation, the porous

film is further stretched in a stretching bath comprising an amide-based solvent containing a non-

solvent for the polymetaphenylene isophthalamide-based polymer.

14. (withdrawn): A process according to claim 13, wherein the concentration of the

amide-based solvent in the stretching bath is 5-70 wt% and the temperature is 0-98°C.

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immersion in a bath comprising an amide-based solvent containing a non-solvent for the

15. (withdrawn): A process according to claim 8, wherein the coagulation is followed by

polymetaphenylene isophthalamide-based polymer, with an amide-based solvent concentration

of 50-80 wt% and a temperature of 50-98°C.

16. (withdrawn): A process according to claim 15, wherein the dimethylformamide-

insoluble portion of the porous film after immersion is 10% or greater.

17. (withdrawn): A process according to claim 15 or 16, wherein after the immersion the

porous film is rinsed with water, dried and then heat treated at a temperature of 290-380°C.

18. (withdrawn): A process according to claim 15 or 16, wherein after the immersion the

porous film is rinsed with water, dried and then stretched to a factor of 1.3-5 in the uniaxial

direction or to a factor of 1.3-10 in the orthogonal biaxial directions on an area scale, at a

temperature of 270-380°C.

19. (withdrawn): A process according to claim 15 or 16, wherein after the immersion the

porous film is further stretched in a stretching bath comprising an amide-based solvent

containing a non-solvent for the polymetaphenylene isophthalamide-based polymer.

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20. (withdrawn): A process according to claim 19 wherein, after the stretching, the

porous film is rinsed with water, dried and then heat treated at a temperature of 290-380°C.

21. (withdrawn): A process according to claim 19, wherein the concentration of the

amide-based solvent in the stretching bath is 5-70 wt% and the temperature is 0-98°C.

22. (withdrawn): A process according to claim 8, wherein the dope used is one in which

inorganic whiskers are dispersed and a polymetaphenylene isophthalamide-based polymer is

dissolved in an amide-based solvent.

23. (withdrawn): A process according to claim 22, wherein the weight ratio of the

polymetaphenylene isophthalamide-based polymer to the whiskers is 50:50 to 99:1.

24. (withdrawn): A process according to claim 22 or 23, wherein the inorganic whiskers

have a long axis dimension L of 0.1-100 µm, a short axis dimension D of 0.01-10 µm and an L/D

ratio of 1.5 or greater.

25. (withdrawn): A porous film comprising at least two layers including a

polymetaphenylene isophthalamide-based polymer porous layer and a heat-melting thermoplastic

polymer porous layer.

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26. (withdrawn): A porous film according to claim 25, wherein the thermoplastic

polymer is a polyolefin with a molecular weight of 400,000 or greater.

27. (withdrawn): A porous film according to claim 25, wherein the thermoplastic

polymer is a polyvinylidene fluoride-based polymer.

28. (withdrawn): A porous film according to claim 27, wherein the polyvinylidene

fluoride-based polymer is a copolymer composed mainly of vinylidene fluoride and a perfluoro

lower alkyl vinyl ether.

29. (withdrawn): A porous film according to any one of claims 25 to 28 wherein, at

elevated temperatures, the thermoplastic polymer layer melts and plugs the pore gaps, while the

polymetaphenylene isophthalamide-based polymer layer retains its shape without melting.

30. (withdrawn): A process for the production of a porous film which comprises

forming a porous layer of a polymetaphenylene isophthalamide-based polymer onto one or both

sides of a porous film made of a heat-melting thermoplastic polymer, or forming a porous layer

made of a heat-melting thermoplastic polymer onto one or both sides of a porous film of a

polymetaphenylene isophthalamide-based polymer.

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31. (withdrawn): A battery separator comprising a porous film according to any one of

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claims 25 to 28.

32. (withdrawn): A lithium ion battery employing a battery separator according to claim

31.

33. (currently amended): A method of using a porous film according to any one of

claims 1-31, 3 and 5-6 comprising placing said porous film as a battery separator between a

positive electrode and a negative electrode in a battery.

34. (currently amended): A lithium ion battery comprising a battery separator situated

between a positive electrode and a negative electrode, wherein said battery separator comprises a

porous film according to any one of claims 1-31, 3 and 5-6.